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IMAGES

U. S. Steel Gary Works

NOVEMBER/DECEMBER 1993



WISHING YOU AND YOURS A JOYOUS HOLIDAY SEASON
- IMAGE COMMITTEE

“ We Make It Happen ”

MIDWEST FLOOD RELIEF FUND

The flood relief fund was a huge success. The \$1,771.12 that we collected has been forwarded to the Salvation Army for their distribution to the Midwest Flood Relief Fund. Without your contributions, this would not have been possible. Thank you for your support.

Co-Chairmen: Carol Sterken - Continuing Education
Mary Nelson - Crane Repair

The following remarks are taken from a thank you letter received from Lt. Colonel Gary L. Herndon, Divisional Commander of The Salvation Army, Chicago, Illinois.

Thank you for your very generous donation of \$1,771.12 from the employees of United States Steel, Gary Works. Please be assured that this amount will go to flood relief as your letter indicates.

As you must know by now, the Midwest Flood of 1993 is the most devastating natural disaster to hit the central part of the United States in our nation's history. The relief effort to assist both victims and disaster workers has been one of the largest, single humanitarian efforts ever launched within our country. Your gift was a part of that important enterprise that will continue through the work of The Salvation Army into 1994.

Thank you for making it possible for The Salvation Army to be a significant presence in this relief effort. May God bless you.

MEMBERS OF THE IMAGE COMMITTEE

John Bubik - Tin	Larry Pennell - Customer Relations	Larry McWay - LU 1014
Tom Cera - Coke	Mike Hardy - Op. Svcs.	Skip Donelson - Op. Svcs.
Ed Charbonneau - Law	Dave Kuiper - Iron Producing	Wilma Webb - Coke
Russ Cundiff - Steel	George Mandich - Recycling	Marvin Wright - Iron
	Editor - Joan Terry - Acctg.	Claudia Luketich - Hot Roll

Cover Photo taken by Joan Terry

SALVATION ARMY ANGEL TREE PROGRAM

by Tim Gustafson

Each year U.S. Steel Gary Works participates in the Salvation Army's Angel Tree Program to provide needy children with Christmas gifts. Gary Works has sponsored approximately 500 Angel Children each year. The Tin Division proudly assumes the leadership position for sponsorship. Five hundred seems like a lot, but for a plant the size of Gary Works our effort has been disappointing. We can do more!

The Salvation Army identifies needy children in the area and obtains information pertaining to the child's clothing sizes and individual wishes. The child's sponsor agrees to buy and wrap gifts for that individual child. The gifts are collected by volunteers and returned to the Salvation Army for distribution. The true Christmas spirit is evident with a gymnasium full of gifts destined for youngsters. Each needy family receives the gifts for their children along with a food basket prepared by the Salvation Army. Often these gifts are the only gifts that the children will receive.

Each year, in addition to the Salvation Army's Angel Program, co-workers in the Tin Division's Electrolytic Tinning Department also sponsor a "Department Angel." In 1991, our angel was Ashley Spann. Ken Spann, Ashley's father, was an Electrolytic Solution Tender who passed away due to heart complications earlier that year. Through generous donations the department was able to provide Ashley with the new bicycle she wanted for Christmas. In 1992, our angels were David and Corre Woodard. Their mother, Demetres Woodard, an Electrolytic Coiler Helper, tragically perished unexpectedly in an automobile accident. David's wish for a compact disc player and Corre's wish for a Super Nintendo were both answered because of everyone's unselfishness.

Christmas is a time of joy and celebration for many but for others it's a time of sorrow and hardship. This year sponsor a Salvation Army Angel and help a needy child have a merrier Christmas.



The Salvation Army

This year help a needy child experience the joy of the Christmas season.

Call Tim Gustafson at Ext. 5031 or Dawn Darceneaux at Ext. 4205 for more information.

CORPORATE CHALLENGE

"Be the Best You Can Be in '93"

by Claudia Luketich

Couch potatoes and athletes alike participated in the 1993 Corporate Challenge, a total of 192 people.

The Corporate Challenge is a series of events whereby three teams from U. S. Steel compete against other large companies with the same number of employees. This year we competed against Inland Steel, the Methodist Hospitals, Community Hospital, and Amoco.

A word of appreciation goes to each of the Corporate Challenge coaches who donated his/her time and energy to "shape up" their teams.

The Tug-O-War team has a tradition of stopping for pizza after competition, win or loose. Each person donates to cover the cost. This year with their added generosity, donations were made to Lake County Association for the Retarded, Porter County Special Olympics, and the Thelma Marshall Childrens Home.

Two bike raffles were held to help pay expenses for the Challenge. Winners, Sherita Smith, Safety Department, and Ralph Fifield, Vice President - Operations, Pittsburgh, donated their bicycles to the Thelma Marshall Childrens Home Orphanage in Gary.

The following is taken from the thank you letter received from the Childrens Home:

"Please know that your donation is greatly needed and much appreciated. It is always very gratifying when busy people such as yourselves take the time to share with those who are less fortunate. We hope that you will continue to keep us in your thoughts and prayers."

I feel that I can speak for everyone who participated in saying that we all had a great time. It's really wonderful to see so many U.S. Steel employees getting together to compete, cheer for each other, and help members from other teams. Thanks everyone! Let's do it again in '94!



above: Getting ready for Tug-O-War.

1st Place Cheerleading Team

Below: (L to R) P. Johnson, D. Darceneaux, T. Salazar, A. Mabone, J. Bass, L. Wilson, C. Luketich



1993 CORPORATE CHALLENGE RESULTS

<u>EVENT</u>	<u>COACH</u>	<u>WIN</u>
<u>PHOTOGRAPHY</u>	CHRIS GILBEAU	3RD PLACE
<u>BANNER</u>	DAWN DARCENEAX	
<u>TEE-SHIRT *</u>	DAWN DARCENEAX	2ND PLACE
<u>3 MILE WALK/RUN/5 MILE RELAY</u>	TIM GUSTAFSON JOE RAMIREZ	
<u>BIKE (10 MILES)</u>	PHIL POULTON EILEEN BARTOLAC	
<u>CHEERLEADING</u>	SHERRY ROBINSON	1ST PLACE
<u>SWIMMING:</u>	CHRIS JOHNSTON	
CRESCENDO	(RED)	1ST PLACE
SPRINT	(RED)	3RD PLACE
<u>TUG-OF-WAR</u>	JOHN JELINEK CLAUDIA LUKETICH	
<u>BASKETBALL</u>	ELVIN WHEATON CLIFF TEAMER	(BLUE) (GREEN)
		1ST PLACE 3RD PLACE
<u>RUN/SPRINT</u>	JIMMY WOODLEY DAVID JOHNSON	
<u>4 MILE WALK/RUN/JOE</u>	TOM CERA	(RED)
		2ND PLACE
<u>1 MILE FAST WALK</u>	CHRISTINE SPENCE	(GREEN)
		2ND PLACE
<u>1600 METER RELAY</u>	DAVID JOHNSON	(RED)
		2ND PLACE
<u>ACCU-PITCH</u>	BOB HAGUE	3RD PLACE
<u>BOOSTER CLUB</u>	JUANITA BASS	
<u>PARTICIPATION WALK</u>	SUE GLOS CHRISTINE GILBEAU	
<u>GOLF</u>	DAWN DARCENEAX CHRISTINE GILBEAU SUE GLOS	

* TEE-SHIRT WAS DESIGNED BY CLAUDIA RAE FRAZIER AND DRAWN BY WILBERT CATLIN AND JOSE RODRIGUEZ.

GARY COKE ENVIRONMENTAL ACTIVITY

by Dean Anderson

The U. S. Steel Gary Coke Operations has emerged as a leader in the coke making industry in addressing the key environmental issues facing the industry today. During the past four years, over \$47 million has been authorized by executive management for projects to control emissions from the coke plant process. Additional spending has been authorized or is under consideration for 1994 and beyond. Following is a brief synopsis of the environmental improvement projects which have been completed or are currently being implemented at the Gary Coke Plant.

Benzene NESHAPS Control

On August 31, 1989, the EPA promulgated into law the benzene "National Emission Standards for Hazardous Air Pollutants" for coke and chemicals by-product plants. The final standards under the rule required that process vessels and tar storage tanks be enclosed and the emissions be recovered or destroyed. The Gary Coke Plant invested over \$30 million to install a totally enclosed vapor recovery system for all Coke Plant inprocess vessels. This has resulted in reduction of approximately 600,000 lb/yr of benzene emitted into the atmosphere.

Coke Plant Sewer Remediation

As part of the 1990 U. S. Steel Gary Works Federal Consent Decree, the Gary Coke Plant undertook a project to clean and remediate several sections of non-contact cooling water sewers which discharge into the Grand Calumet River. The work is currently in progress and is scheduled for completion in the first quarter of 1994. This will result in a significant reduction of contaminants, which in the past, were infiltrating the deteriorating sewer lines and flowing into the river. Testing of those sections completed have verified achievement of the projects objectives. The cost of this project is approximately \$6.5 million.

Coke Oven Battery Door and Jamb Cleaners

It is essential that coke oven door leakage be minimized on Coke Oven Batteries in order to meet and exceed the new Clean Air Act Standards. The Gary Coke Plant initiated projects to equip the batteries with the latest technologies in door and cleaning equipment prior to the promulgation of the coke oven door standards in late 1992. To date projects have been completed to replace over 1/3 of the original door and jamb cleaning equipment. This has resulted in improved door leakage performance and a cleaner environment for employees and the surrounding communities. Additional units are under consideration for replacement in 1994 and 1995 at a cost approximately \$1.3 million per year.

Auto Igniters for the Coke Oven Batteries

The Clean Air Act Amendments of 1990 establish specific requirements for the development of regulations governing coke oven emissions. Recently the EPA passed new air emission control regulations which establish performance standards for new and existing coke oven batteries. Included in this legislation are regulations concerning the release of raw coke oven gas through bleeder stacks on coke oven batteries. The standards require the installation, operation and maintenance of a flare system by March 31, 1994, for all coke oven batteries in operation on December 31, 1995. Installation of ten flare stacks at the Gary Coke Plant is currently in progress and is scheduled to be completed in the 1st quarter of 1994. The cost is approximately \$2.4 million.

PM-10 Improvements

The Indiana Department of Environmental Management has adopted rules to comply with the Clean Air Act requirements regarding particulate matter less than ten microns in size. The Gary Coke Plant is in the process of installing continuous emission monitors on the coke battery underfire stacks, quench water sampling devices and installing baffle deflectors on the five operating quench towers. Implementation of this project will enable operations to monitor emissions and identify potential coke oven problems before they become a major issue. The plant will spend approximately \$1.2 million for these improvements.

GARY WORKS ENVIRONMENTAL ACTIVITY

by Herb Rettig

Gary Works has been very active in recent years improving our environment. The Continuous Improvement to the Environment Training Program known as CITE is designed to educate employees on environmental issues and how their performance on the job affects the environment. Other programs outline procedures for water collection and treating spills, new improved operating and maintenance practices for reducing air emissions, minimizing releases of waste materials to the air, land and water. Additional employee involvement efforts address refuse management and recycling opportunities in the plant.

Facilities recently installed to improve the environment include:

- . Blast Furnace Water Recycle Improvements, \$2 million
- . No. 1 BOP Gas Cooler Water Recycle System, \$7 million
- . Terminal Treatment Plant Improvements, \$4 million
- . Plant Outfall Monitoring and Oil Collection Facilities, \$2 million
- . Q-BOP Desulfurization and Hot Metal Transfer Emission System, \$8 million
- . No. 3 Slab Caster Water Treatment System, \$17 million

Facilities presently being installed are Air Emission Controls at the Q-BOP and No. 13 Blast Furnace. These controls will cost approximately \$69 million and consist of hoods, baghouses and fans. Start-up of these facilities is scheduled for December, 1994.

Other major projects in progress address Grand Calumet River sediment remediation, plant wide groundwater study and lake front development.

EPA SUGGESTS GREENLIGHTS FOR REDUCING POLLUTION AND CUTTING ENERGY COSTS

by **Tim Briney**

Greenlights, a program designed by the Environmental Protection Agency (EPA) to reduce pollution, also helps program users profit by lowering their energy costs.

The EPA has gathered data on light bulb output, life expectancy, and color rendering indexes to educate program users on design techniques. This criteria is important in upgrading lighting systems because it distinguishes factors such as glare, maintenance, cost, and fixture cost.

In an industrial setting, significant returns on investment can be made by retrofitting existing light fixtures with new energy-efficient units. In addition to reduced energy costs, improved lighting designs in offices and on manufacturing floors can increase productivity. The EPA suggests that companies include the work force in decisions about new or upgraded lighting systems.

The EPA can also suggest ways for companies to improve their energy loads. They endorse use of motion and ultrasonic sensors to control lighting. In many instances, a \$40 - \$50 unit can show a return on investment in just a few months.

Task lighting is another way to reduce the overall lighting load, while improving the

general work area.

Gary Works sponsored a workshop in November with the help of the EPA's Greenlights staff. All U. S. Steel Plants, Marathon Oil, and Minntac Mining, and the State of Indiana were in attendance. Gary Works Greenlight Action Review Team presented the implementation plan being used at Gary and stressed that the plan could be used for any application.

In May of 1991 Charles Corry, USX Chairman, signed an

agreement to become a partner in the Greenlights program. All plants are committed to take an active role in upgrading the lighting in their facilities within five years. Mon Valley and Fairless Works have completed their initial surveys and are in the process of upgrading their lighting systems. Irvin Works has already upgraded some of its lighting.

For more information on the Greenlights Program, call Tim Briney ext. 4275.

COMMUNITY SERVICE

by **Russ Cundiff, Melter**
No. 1 BOP

In the last eighteen months over 30,000 weapons have been melted down in the furnaces of the Gary Works Steel Producing Division.

On August 10, 1993, the No. 1 BOP Shop successfully "charged" 10,244 various types of weapons into "M" furnace for the Chicago Law Enforcement Agency. Assault rifles, rapid fire machine guns, hand guns of all calibers and knives that were seized by law enforcement agencies, including the Bureau of Alcohol, Tobacco and Firearms (ATF) were destroyed forever.

It is comforting to know that Gary Works considers it a privilege to accommodate law enforcement by recycling illegal weapons of destruction into products of convenience.



S.W.A.T. / Recycling

by George Mandich

Who is S.W.A.T.? What does this team do? S.W.A.T. stands for Steel Workers Attacking Trash. This group was formed out of the concern for our environment including the amount of waste deposited in landfills by U. S. Steel Gary Works. This group was initially formed to explore how we could best help manage our waste stream. With a few volunteers and some assistance from Ed Charbonneau, USX Corporation's Governmental Affairs Manager, the team was formed.

Members were solicited from all divisions throughout the plant. On July 16, 1992, our kickoff meeting was held in the General Manager's Conference Room. Sub-committees were formed. These sub-committees were assigned individual materials to be removed from the main waste stream including paper, wood, cardboard, and cans. Also from these sub-committees an Educational Committee was established.

Since our formation, our committee on can recycling has recycled over five tons of cans throughout Gary Works. At this time, 20 -25 bags of cans are recycled weekly. Some areas are hauling cans directly to Tube City for recycling rather than having them picked up. Tube City processes the cans for recycling in our steel shops. This is a great effort put forth by everyone involved.

Our paper recycling team is getting a good feel for the amount of waste paper we generate in this plant. The year-to-date recycled paper is at a total of 37,000 pounds! This is not even the tip of the iceberg! The targeted four divisions for our pilot program include Business Planning, Hot Rolling, Iron Producing and the Coke Plant. We are actively collecting in three of those divisions. We have not been able to bring Business Planning "on board" because of the great amounts of paper they generate; we don't have the complete infrastructure to handle these amounts at this time.

In addition to waste paper recycling and with the assistance of Pittsburgh Purchasing we are now closing the "Recycle Loop" by purchasing recycled paper. This is not for just Gary Works, but for the entire corporation. Good job, paper team!

The teams on cardboard and wood are still in their developmental stages. We are expecting many good ideas and help for our recycling efforts from them. Currently there is a program for wooden pallets in the plant. Some details on this project are being fine tuned. The pallets are currently being picked up by X-L Box Corporation.

Several employees from Operations Services have taken on the challenge of railroad ties and rails. This job is much bigger than one might imagine.

Some goals for our S.W.A.T. Team:

Education: Educating our employees through the Vision Program, safety meetings, Apex, Amex and division newsletters.

Reduce and Reuse as steps to waste management: Waste minimization helps us reduce our waste stream and to conserve our natural resources. This translates to dollars saved. If we are better environmental neighbors, we are bound to be better at our business - they work hand in hand.

Targeting new area: Cardboard recycling.

Designated pickup points for recyclable materials.

Routes and means of transportation for recyclable materials.

Suggestions: We need your help. There will be a questionnaire in our next issue of the S.W.A.T. Team newsletter. We would appreciate your comments on how you feel about the program or your volunteering to help us.

We have many people showing interest in our plant recycling program. There are many opportunities for us to be environmentally correct. We would like to hear from you. Call George Mandich, Ext. 4206.

SCOUTING FOR FOOD DRIVE

"The Final Report"

by George Mandich

1,000,000 cans! That's a lot of cans and a lot of food! That is also the total number of cans donated since 1989 to help those in need in Northwest Indiana. In 1993, a total of 500,000 cans were donated. This year, with your help, Gary Works collected a record 188,000 food can items for our Scouting for Food Drive.

Operations Services led the way with Mary Nelson, raising 60,000 food can items. Bill Best and Gerri Marsh, Electrical gang, gave the most from all areas of Operations Services and won the coveted "Bean Can Award" with a whopping donation of 13,959 food can items.

You should all be proud of yourselves. We are the most caring, generous and giving plant in Northwest Indiana. The people of Gary Works donated 38% of all the food items this year.

A big thank you from Caroline Smith, Director of the Northwest Indiana Food Bank, the many user facilities along with the many needy and destitute individuals and families that you are helping to feed.

The following listing is in order of total can items donated from most to least:

Operations Services
Administration and Accounting
Iron Producing
Steel Producing
Tin Division
Coke and Chemicals
Sheet Products
Quality Assurance
Plate Products
Plant Engineering
Business Planning
Process Products
Energy and Environmental
Systems Development
Hot Rolling
Labor Relations and Personnel

Thanks for your support, and we will be looking forward to next years drive.



Drawing winning food drive tickets for employees who participated in donating food cans. (L to R) George Mandich, Tin Division, Mary Nelson, Crane Repair, Darnell Jenkins, Coke Plant.

MAY THE PULSE be with you!

Energy and Environmental Control Division began a CPR training program in October 1992. With one instructor, these classes were offered through the Division's Phase 1 Safety Team. The intent to train Division employees only soon gave way as requests to attend this class began to pour in from all over the plant. Authorization to use company equipment outside was secured and those classes began to be conducted. An additional instructor was trained and in the past year about 350 Gary Works employees and nearly 500 people outside the plant have been trained. Teaching these lifesaving skills has paid off greatly as five lives have been saved by people who were trained in the present program.

Response to this training has produced a large back-log of people wanting to attend this class. This training requires annual re-training and those classes have begun as well. It has become apparent that two instructors will not be able to accommodate these numbers. Twenty more employees from the various divisions were trained in October. The American Red Cross conducted the training beginning October 21. These instructors will form the U. S. Steel CPR Training Team and begin teaching classes within their respective divisions. This will allow many more employees and community members to learn these skills. The benefits to the plant and communities will be great in that many more lives will be saved as a result of this effort. Gary Works will be a safer place to work

CPR Training Team

Doug Patton	Energy
Skip Hilzley	Energy
Velma Adams	Energy
Tyrone Rogers	Energy
Steve Potter	Energy
Andrew Drygras	Energy
Wink Durbin	Operations Services
Jim Garner	Operations Services
Michael David	Operations Services
LaNail Berry	Operations Services
Paul Sohaney	Operations Services
Robert Eddie	Energy
Mark Happer	Operations Services
Jim Rosendaul	Operations Services
Jeff Szostek	Iron Producing
Mark Hudson	Hot Rolling
Brad Hines	210 Plate Mill
Amy Gumz	Business Planning
Ron Calhoun	Gary Works Fire Dept.
Stan Elkins	Safety
Rich Cross	Coke Plant
Wally Siciarz	Tin
Randy Smith	Custom Training

and the communities a safer place to live.

Learn more about the CPR Program from Doug Patton or Skip Hilzley, Energy and Environmental Control Division's P.H.A.S.E.1 Safety Team Office Ext. 4947, Mail Station 70.



*Paul Sohaney demonstrates
CPR on "Chris Clean",
manikin.*

HAVE A HAPPY AND SAFE HOLIDAY DRINK SENSIBLY

Many holiday gatherings will have alcoholic beverages. If you are planning to drive home after tippling a few, designate a non-drinker in your party to get behind the wheel. Drink in moderation, and eat to slow down your body's absorption of alcohol, pass up refills and wait one hour for every drink before you drive. The best solution of all: Drink healthier beverages that won't impair your self-control.

SOME SOBERING FACTS ABOUT ALCOHOL

Alcohol alters your perception and makes you feel more competent but it impairs your ability to perform complex tasks like driving. Even a small amount of alcohol affects the brain's higher functions, particularly judgment, coordination and vision.

Coffee (a cold shower, exercise, breathing pure oxygen, etc.) doesn't have a sobering effect. Only time can decrease intoxication.

Beer may fill you up more than wine or hard liquor, but a glass of beer has the same alcohol as a glass of wine or a mixed drink.

Enjoy this special time of year with family and friends, but please remember to act responsibly and safely when celebrating the joys of the season.



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